

**CSE 556 Internetworking  
Fall Semester 2002**

**Homework No. 4  
Due Date November 25, 2002**

**Name:** \_\_\_\_\_

**Total: 50 Points (10 Points each)**

**Question 1:** Explain the difference between simple split horizon and split horizon with poisoned reverse?

**Question 2:** What is the counting to infinity problem and how it can be controlled? Explain with a figure.

**Question 3:** How do areas benefit a link state internetwork?

**Question 4:** What is an autonomous system?

**Question 5:** What is the difference between an IGP and an EGP? Also name two examples of each.